

# Work Order ID 65838

Wednesday, January 26, 2011 11:32:38 AM



Page 1

Item ID: D2011-101

Accept



Setup Start



Revision ID:

Stop



Item Name: 6" Mirror

Start Date: 1/26/2011 Start Qty: 50.00



Cust Item ID:

Required Date: 2/7/2011 Req'd Qty: 50.00



Customer:

Reference:

Approvals:

Process Plan:

*[Signature]*

Date:

*11-01-26*

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

D2011

Rev G

100

0.00



PURCHASING

Purchasing

Memo

0.00

Purchasing

Issue P/O: 13376 ☐ Mirror P/N: CHM10601 ☐ Possible supplier:  
Auto Parts Extra ☐ Material release note required

*CL 11101127 50*

110

Receive & Inspect for Damage & Mat'l Certs

0.00



Packaging

Memo

0.00

Packaging

Ensure material certification is attached

*11101128 50*

120

QC6- Inspect dimensions to drawing

0.00



QC

Memo

0.00

Quality Control

*81101129*

*count*  
*(X10)*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 65838

Wednesday, January 26, 2011 11:32:38 AM

Page 2

Item ID: D2011-101

Accept

Setup Start

Revision ID:

Stop

Item Name: 6" Mirror

Start Date: 1/26/2011 Start Qty: 50.00

Cust Item ID:

Required Date: 2/7/2011 Req'd Qty: 50.00

Customer:




Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start

QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
	Small Fab								
Small Fab	Memo	0.00							
Small Fab	1- Wrap mirror with plastic wrap								
	2- Discard Hardware & Install new hardware loosely								
	3- Crimp stud as per Dwg D2011								
140		0.00							
	QC5- Inspect part completeness to step on W/O								
QC	Memo	0.00							
Quality Control	4- Test assembly to 50lbs pull test after 24 hours								
150		0.00							
	Identify as per dwg & Stock Location: <u>221</u>								
Packaging	Memo	0.00							
Packaging									

*Handwritten:* 1/26/11 11:32:38 AM (49) Pro →

*Handwritten:* 1/26/11 (49) (49)

*Handwritten:* 1/26/11 (49)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: D204-101 PAR #: \_\_\_\_\_ Fault Category: Small FAP NCR: Yes No DQA: ✓ Date: 11-02-07  
 Resolution: \_\_\_\_\_ Disposition: Scrap QA: N/C Closed: ✓ Date: 11/02/07

NCR: <u>B65838</u>		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			
11/02/07	30	Qty +1 mirror was crimped too close to top of the Ball mount. causing it to crimp in the wrong location.	<u>[Signature]</u>	→ Arm won't fit flat on Ball mount mirror scrap. no Replace.	<u>[Signature]</u> 11/02/07	<u>S</u> 11/02/07	<u>[Signature]</u>	<u>S</u> 11/02/07
		R.C. <u>LOA</u> operator didn't see how close to edge she was	<u>[Signature]</u>					<u>S</u> 11/02/07

NOTE: Date & initial all entries

**Work Order ID 65838**

Wednesday, January 26, 2011 11:32:38 AM

Page 3

Item ID: D2011-101

Accept

Revision ID:

Item Name: 6" Mirror

Start Date: 1/26/2011 Start Qty: 50.00

Required Date: 2/7/2011 Req'd Qty: 50.00

Reference:

Cust Item ID:

Customer:

Approvals:

Process Plan: \_\_\_\_\_

Date: \_\_\_\_\_

Tooling: \_\_\_\_\_

Date: \_\_\_\_\_

QC: \_\_\_\_\_

Date: \_\_\_\_\_

SPC (Y/N): \_\_\_\_\_

Date: \_\_\_\_\_

Run Start

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

160

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11/02/03 *[Signature]*  
MF  
11-02-03

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Wednesday, January 26, 2011 11:33:14 AM

Page 1

Work Order ID: 65838

Parent Item: D2011-101

Parent Item Name: 6" Mirror



Start Date: 1/26/2011

Required Date: 2/7/2011

Start Qty: 50.00

Required Qty: 50.00

Comments: IPP: J04.09.15 Added Steps 5-7 KJ/JLM IPP:  
K05.12.15 chg black sikaflex for white EC IPP L 08.11.06 new  
drawing EC verify: DD IPP: M 08.12.19 Added step 3 KJ Verified  
by: LL IPP rev N 10.01.13 added wrap per ncr09-118 EC verified by:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
* AN960JD416L Washer	NAS1149D0416J	Purchased	No			110	Each	114.0000	1	50			
<div> <div> </div> <div> <div>47 M114884</div> <div>508</div> <div>492</div> </div> </div>													
<u>Location</u>						<u>Loc Qty</u>		<u>Loc Code</u>					
ST346						114							
110153						114							
CHM-10601 Mirror 6"		Purchased	No			130	Each	6.0000	1	50			
<div> <div> </div> <div> <div>B65838</div> <div>x50</div> <div>LU</div> </div> </div>													
<u>Location</u>						<u>Loc Qty</u>		<u>Loc Code</u>					
ST						6							
58398						6							
D2829 Threaded Stud		Manufactured	No			130	Each	64.0000	1	50			
<div> <div> </div> <div> <div>47 M114884</div> <div>508</div> <div>492</div> </div> </div>													
<u>Location</u>						<u>Loc Qty</u>		<u>Loc Code</u>					
ST025						64							
54930						2							
56986						2							
64277						60		50					

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



# • Picklist Print

Wednesday, January 26, 2011 11:33:14 AM

Work Order ID: 65838



Parent Item: D2011-101



Parent Item Name: 6" Mirror

Start Date: 1/26/2011

Required Date: 2/7/2011

Start Qty: 50.00

Required Qty: 50.00

D3014-1

Manufactured

No

130

Each

204.0000

1

50



Locknut



*Handwritten signature*  
1/26/02/02

*Handwritten circled number*  
50494

Location

ST033

18605

Loc Qty

204

204

Loc Code

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

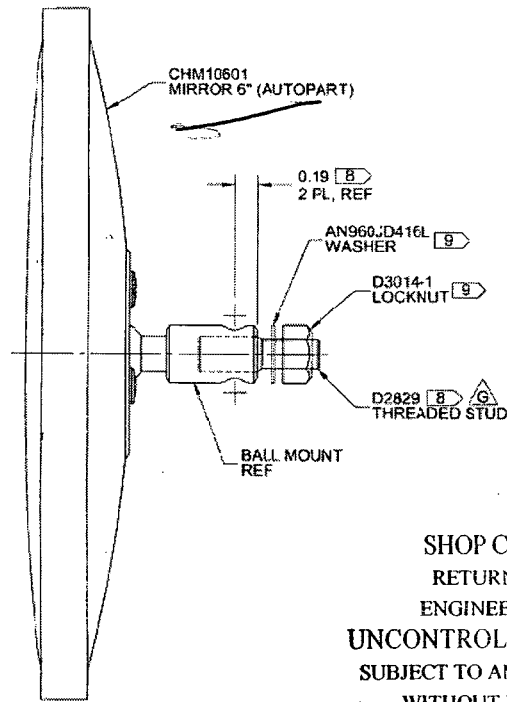
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

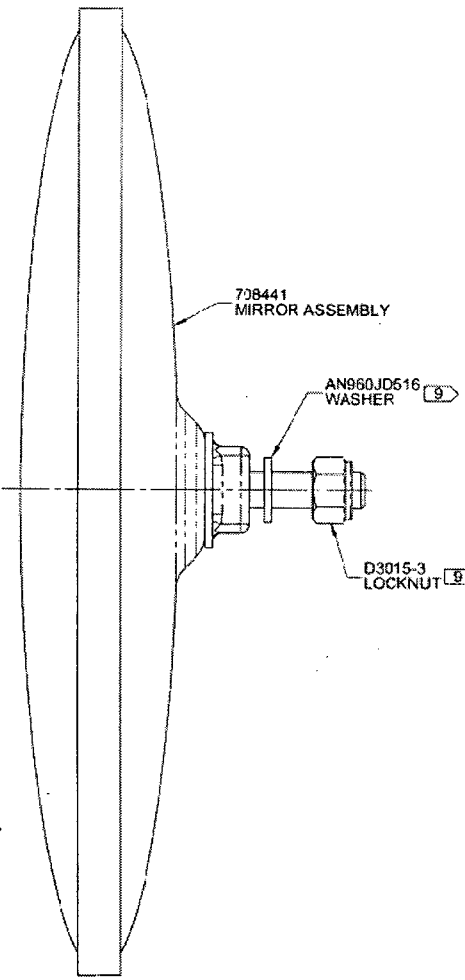
8 7 6 5 4 3 2 1



**D2011-101 MIRROR ASSEMBLY 6"**

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 45835  
PL 11-01-24

- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: N/A
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: NONE
  - 7) WEIGHT: D2011-101 = 0.6 lbs APPROX. ; D2011-103 = 1.0 lbs APPROX.
  - 8) D2829 INSTALLATION PROCEDURE:
    - APPLY LOCKTITE 262 TO Ø5/16 END OF D2829
    - THREAD BY HAND INTO BALL MOUNT UNTIL ENTIRE Ø5/16 END OF D2829 IS WITHIN BALL MOUNT
    - CRIMP BALL MOUNT ON TWO OPPOSING SIDES, 0.19 FROM END AS ILLUSTRATED USING TOOL DT8317
    - CRIMP TO DEPTH OF 0.040 ± 0.010 USING R0.125
  - 9) INSTALL LOOSE



**D2011-103 MIRROR ASSEMBLY 8"**

ITEM	QTY -101	QTY -103	P/N	DESCRIPTION
1	X		D2011-101	MIRROR ASSEMBLY 6"
2		X	D2011-103	MIRROR ASSEMBLY 8"
3	1		D2829	THREADED STUD
4	1		D3014-1	LOCKNUT
5		1	D3015-3	LOCKNUT
6	1		CHM10601	MIRROR 6" (AUTOPART)
7		1	708441	MIRROR 8" (VELVAC)
8	1		AN960JD416L	WASHER
9		1	AN960JD516	WASHER

RELEASED  
08-10-29/11

G	REDRAWN IN SOLIDWORKS TO CURRENT STANDARD AND TRANSFERRED TO "B" SIZE FORMAT. MIRROR 6" (AUTOPART) AND CHM10601 WERE MIRROR 6" (GROTE) AND P/N 28043 (ZN D3-1). ADDED D2829 (ZN D3-1 AND ZN C6-1). REMOVED DRILLING NOTE, VIEW A-A AND SIKAFLEX APPLICATION NOTE. REASON: GROTE PRODUCT IS DISCONTINUED	MB	08.10.06
F	ADD HOLES FOR SEALANT ON -101	CP	04.09.10
E	NEW 8" MIRROR	CP	01.05.08
D	NEW 6" MIRROR, ADD NUT, REMOVED STUD	CP	01.04.23
C	REPLACE DOMINION AUTO MIRRORS WITH PHILLIPS, ADDED STUDS, REDRAWN	RF	99.06.01
B	SIKAFLEX 241 ADDED	JB	98.04.09
A	DWG NO. WAS DSP1011, ADDED -103	JB	90.06.15
-	NEW ISSUE	JB	90.03.31
REV.	DESCRIPTION	BY	DATE
DESIGN	JB	DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. G
MFG. APPR.		D2011	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		MIRROR ASSEMBLY	NTS
DATE	08.10.06	COPYRIGHT © 1990 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND UNCLASSIFIED, AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSES OTHER THAN THAT FOR WHICH IT WAS ORIGINALLY INTENDED.	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID PO13376

Purchase Order Date 1/27/11

PO Print Date 1/27/11

Page Number 1 of 1

Order From :

VC-AUT001

AUTO PARTS EXTRA  
1000 RUE LANSDOWNE  
HAWKESBURY, ON K6A 1H7  
CA

Contact Name

Vendor Phone

613 632 1191

Vendor Fax

613 632 2350

Vendor Account Nbr

Buyer

Requisition Nbr

Tax Resale Nbr

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

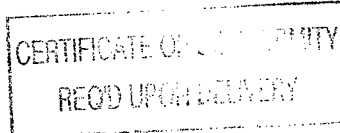
FAKED  
CXL 1/12/11

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	CHM-10601	Mirror 6"	1/31/11 Yes	50.00 Each	Yours ppd	\$18.9500	\$947.50

Special Inst: AS PER DWG D2011 REV. G  
B65838  
AUTO PART P/N: CHM-10601

PO Total:

\$947.50



Change Nbr: 1

Change Date: 1/27/11

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable



**AUTO PARTS • PIÈCES D'AUTO  
TRUCK PARTS • PIÈCES DE CAMION  
PERFORMANCE PARTS • PIÈCES DE PERFORMANCE  
TIRES • PNEUS**

www.bensonautoparts.com



C-09336 Past due accounts bear 2% interest per month (24% per annum). If this account is placed with a 3rd party collection, an administrative cost of 25% will be added. All exchanges and refund claims must be accompanied by this invoice. Electrical parts not returnable. All parts returned are subject to 20% handling charge. All merchandise sold on this invoice remains the vendor's property until this invoice is paid in full. TERMS: Payment due on 10th day of the following month.

Aucun remboursement sans cette facture. Net 30 jours, 2% de frais d'intérêt par mois (24% par année) sur compte en souffrance. 20% de frais de manutention sur toute marchandise retournée. Clause pénale une indemnité de 25% sera chargée sur compte sujet à des procédures légales. Les marchandises mentionnées sur cette facture demeurent la propriété du vendeur tant qu'elles ne seront pas entièrement payées. Pièces électriques non-retournable. TERMES: Compte payable le 10 du mois suivant.

SIGNATURE \_\_\_\_\_

GST / TPS 10035 3366 RT0001 1000 RUE LANDSDOWNE HAWKESBURY, ON K6A 1H7 TVQ 1016330716 TQ0001  
TEL: (613)632-1191 FAX: (613)632-2350

GST# 892729922R70001 WE APPRECIATE YOUR BUSINESS AND THANK YOU PLEASE HELP US TO IMPROVE BY COMPLETING OUR SURVEY WE VALUE YOUR OPINION WWW.BEVERLYTIRE.COM

S V E N D E R  T O A	113336 (613)632-5200	E X P E D I E R  T O A	113336	DATE: 1/28/11 07:47 11MLMLP
	DART AEROSPACE LTD. 1270 ABERDEEN STREET		*** SAME ***	
	HAWKESBURY ON K6A 1K7			
				PO: 13376

ORD / COM	SHIP / EXP	CODE	PART No / PIÈCES	DESCRIPTION	LIST EACH / CHACUN	COST / COÛTANT	EXTENSION
50	50	TWD	CHM10601 twd 80791 SHIP VIA	6 CONV. MIRROR, S/ BOV: TWD Pièces/CORE TOT 243	19.26	18.95	947.50
50	***						
INVOICE No / FACTURE	TYPE / SORTE	TOTAL	DISC / ESC	FRT / TRANS	GST / TPS	PST / TVQ	AMT to PAY / À PAYER
11062235	INVOICE	947.50	0.00	0.00	123.18	0.00	1070.68

VERSUS BUSINESS FORMS (CORNWALL) (613) 936-1852